

| Academician Profiles

Congratulations to Prof. Zhou Yongzhang and Jin Huile, Elected to Foreign Academician of the Russian Academy of Natural Sciences

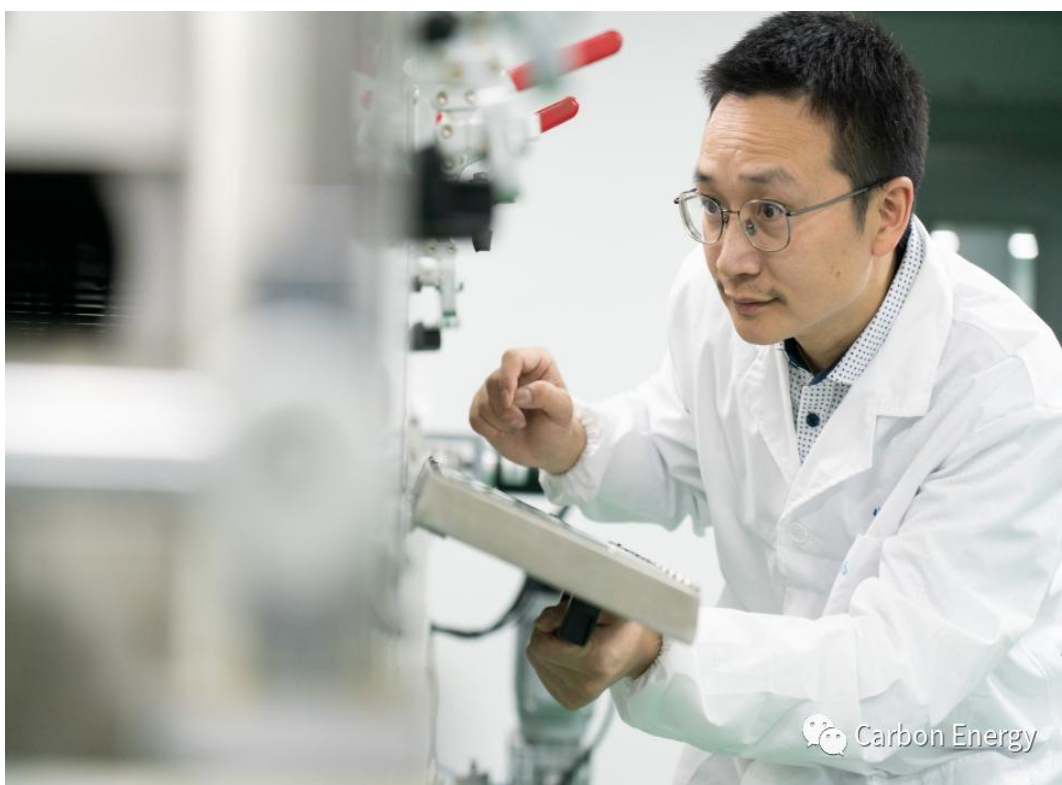


Recently, the Russian Academy of Natural Sciences (RAEN) sent a congratulatory letter and a certificate to researcher Jin Huile of Wenzhou University, highly evaluating his outstanding contributions in the field of high-density carbon-based nanostructured materials; and at the same time, congratulating him on his election as a foreign member of the Russian Academy of Natural Sciences; and obtaining the "Medal of Labor for Educational Merit" awarded by the Ministry of Science and Higher Education of the Russian Federation.

At the same time, we congratulate him on his election as a foreign member of the Russian Academy of Natural Sciences and the award of "Labor Medal for Educational Merit" by the Ministry of Science and Higher Education of the Russian Federation. This is the third academician independently cultivated by Wenzhou University, and the first foreign academician of the Academy of Natural Sciences.

Jin Huile, a native of Rui'an, studied at the Department of Chemistry of Wenzhou University (formerly Wenzhou Normal College) in 1998, and then studied for a master's degree in biochemistry and molecular biology at Guizhou University in 2002. After graduating from the master's degree in 2005, Jin started his scientific research career as an assistant laboratory technician in the Experiment Center. After work, in order to improve himself, Jin Huile continued his education at Donghua University, pursuing a PhD in Materials Science and obtained his PhD in 2017. Now he has grown up to be a researcher, doctoral supervisor, deputy dean of the School of Chemical and Materials Engineering, director of the Key Laboratory of Leather Engineering in Zhejiang Province. And he was also deputy director of the National Demonstration Base for Attracting Talents and Intelligence.

Jin Huile has long been engaged in the basic and industrialization research of carbon-based energy materials and fluorine-containing polymer materials. He has established the theory of in-situ dehalogenation and precise synthesis of heteroatom-doped carbon, focusing on the conformational relationship between heteroatom-doped carbon structure, doping components and energy storage properties. In the past five years, he has presided over 4 projects of National Natural Science Foundation of China, 1 project of Natural Science Foundation of Zhejiang Province, and more than 20 projects of industrialization and R&D of enterprises, and published 153 papers in SCI journals, such as Nat. Commun., J. Am. Chem. Soc. and Adv. Mater. with more than 5,500 citations (H-factor of 40).





He has been authorized 103 patents, 1 US patent, 1 book, and 3 technologies have entered the pilot development stage. As the main person in charge, he has participated in the whole process of founding the new industrial research institute - New Materials and Industrial Technology Research Institute of Wenzhou University, which is a new type of industrial research institute integrating government, industry, academia, research and capital, and has built the R&D base for fluorine material application and processing. Fluorine Valley", set up a team to develop semiconductor-level high-precision parts - perfluoroether seals and perfluoroether rubber/aluminum combination seals, semiconductor encapsulation of special ETFE resin and release film processing technology and equipment.

He serves as the Executive Editor of Carbon Energy, China's "New Journal for High Starting Points", and as a member of the editorial boards of Frontiers in Chemistry and Battery Energy.

He has been selected as one of the 2020 "Ten Thousand People Program" Young Top Talents in Zhejiang Province, and one of the top 2% of the world's top scientists in 2022, as announced by Stanford University. He has also been awarded the "Invention and Entrepreneurship Award - Personality Award" by the China Invention Association, the First Prize for Scientific and Technological Innovation in the Service Sector of the 14th China General Chamber of Commerce, the Labor Medal for Educational Merit by the Ministry of Science and Higher Education of the Russian Federation.



Professor and Doctoral Supervisor of Sun Yat-sen University, Chief Scientist of Earth Environment and Earth Resources Research Center, Foreign Academician of Russian Academy of Natural Sciences, Member of Carbon Neutral Professional Committee of China Energy Conservation Association, Chairman of Guangdong Evon Low Carbon Technology Co.

Zhou Yongzhang

He has also been awarded the Labor Medal for Educational Merit by the Ministry of Science and Higher Education of the Russian Federation, the Second Prize for Scientific & Technological Innovation and Scientific & Technological Progress by China Petroleum and Chemical Industry Federation, and so on. He has also been awarded Second Prize for Scientific and Technological Progress of the China Petroleum and Chemical Industry Federation, etc. He led the team to cooperate with Juhua Group (the largest fluorine chemical base in China), Huafeng Group, Yufumi Group, etc., and carried out production line reconstruction, successfully developed a variety of products. For example, the developed high transmittance and high strength ETFE film breaks through

the bottleneck in the synthesis of high value-added ETFE resin and film processing core technology and film-making equipment in China, filling the gaps in the country. In cooperation with Juhua Group, the company has realized the stable production of tons of ETFE resin for high-quality film, and established a demonstration line for the production of ETFE film for semiconductor encapsulation with an annual output of one million square meters. He has been a foreign Academician of the Russian Academy of Natural Sciences, after several rounds of rigorous academic evaluation and selection procedures by examining the candidates' academic achievements and their influence.

And through the process of academician's recommendation, material examination, investigation and understanding, expert defense, academic department's voting and election, and the consideration of the Presidium, Dr. Jin Huile was elected as a foreign academician of the Russian Academy of Natural Sciences certified by the Ministry of Justice, Ministry of Foreign Affairs of the Russian Federation, and the Embassy of the People's Republic of China. Dr. Jin Huile was elected as a foreign member of the Russian Academy of Natural Sciences (RANS) by the Ministry of Justice, Ministry of Foreign Affairs and Chinese Embassy. The Russian Academy of Natural Sciences is one of the top three cross-industry academic authorities in Russia. Founded in 1990, it is the largest scientific academy in Russia recognized by the United Nations, and its members are scientists and experts who have made significant achievements in the fields of natural sciences and humanities, and have important academic influence.

Zhou Yongzhang is Professor and Doctoral Supervisor of Sun Yat-sen University, Chief Scientist of Earth Environment and Earth Resources Research Center, Ph.D. of Quebec University (Canada), Visiting Professor of Stanford University (U.S.A.), Foreign Academician of the Russian Academy of Natural Sciences, Chairman of the Board of Directors of Guangdong Evon Low Carbon Technology Co. Ltd. He is mainly engaged in geochemistry, big data and mathematical geoscience, resources and environment in the scientific and educational work. Recently, Russian Academy of Natural Sciences (RAEN) announced the list of newly elected academicians, and Prof.

He published "Earth Science Big Data Mining and Machine Learning" and "Mathematical Earth Science", proposed a new paradigm for geoscience big data and artificial intelligence technology research. He made original and innovative achievements in the geological background of mineralization and intelligent mineral search in the Chin-Hang metallogenic belt, and intelligent monitoring and early warning and prediction of soil environmental geochemistry and environmental element fluxes Internet of Things in the Pearl River Delta region. During his tenure as Dean of the Department of Earth Sciences at Sun Yat-sen University, he organized the successful application for a doctoral degree in geology, breaking through the passive situation of the Department of Geosciences, which had been without a doctoral degree for a long time. He founded the Sun Yat-sen University Earth Environment and Earth Resources Research Center, the Guangdong Provincial Key Laboratory of Geological Processes and Mineral Resources Prospecting, the Big Data and Mathematical Geoscience Committee of the Chinese Society of Mineralogical and Rock Geochemistry, and the Guangdong Provincial Low-Carbon Industry and Technology Association; he recruited and cultivated postgraduate students in earth sciences, geosciences, and economics (population, resources and environmental economics), and carried out research on earth environment and resources to address the challenges of climate change, low carbon economics, and sustainable development. He has conducted multidisciplinary research on climate change, low carbon economics and sustainable development.